

# Utah Climatic Summary July 2015













Station	Precipitation	Normal	% of Normal	Snowfall	Normal	% of Normal
Alpine	1.21	0.71	170	-	-	-
Alta	1.94	1.79	108	-	0.1	0
Altamont	1.66	-	-	-	-	-
Alton	2.38	1.23	193	-	-	-
Beaver Canyon	2.99	1.64	182	-	-	-
Big Water	0.80	0.60	133	-	-	-
Bountiful Bench	1.19	-	-	-	-	-
Brigham City	0.78	0.86	91	-	-	-
Bryce Canyon	2.42	1.56	155	-	-	-
Bullfrog Basin	0.58	0.42	138	-	-	-
Capitol Reef Nat'l Park	2.46	0.93	265	-	-	-
Castle Dale	1.13	0.62	182	-	-	-
Cedar City	1.54	0.84	183	-	-	-
Centerville	2.49	-	-	-	-	-
City Creek	0.91	0.87	105	-	-	-
Clearfield	0.76	-	-	-	-	-
Cottonwood Weir	0.81	0.92	88	-	-	-
Cutler Dam	0.65	0.73	89	-	-	-
Deer Creek Dam	0.59	0.85	69	-	-	-
Duchesne	1.65	0.97	170	-	-	-
Echo Dam	0.81	0.85	95	-	-	-
Eden 2 N	1.97	-	-	-	-	-
Ephraim	0.25	0.74	34	-	-	-
Escalante	1.02	0.86	119	-	-	-
Ferron	1.49	0.79	189	-	-	-
Fillmore	0.56	0.75	75	-	-	-
Fremont Indian S.P.	0.84	1.07	79	-	-	-
Hanksville	2.59	0.44	589	-	-	-
Hans Flat	2.99	1.01	296	-	-	-

Station	Precipitation	Normal	% of Normal	Snowfall	Normal	% of Normal
Hatch	3.55	1.37	259	-	-	_
Helper-Carbon	1.42	0.98	145	-	-	-
Kanab	2.51	1.06	237	-	-	_
Kodachrome Basin	0.96	1.08	89	-	-	_
Levan	0.67	0.70	96	-	-	-
Loa	1.08	0.88	123	-	-	-
Logan USU	0.89	0.80	111	-	-	_
Manti	1.50	0.80	188	-	-	_
Milford	0.66	0.79	84	-	-	_
Mountain Dell	0.89	0.98	91	-	-	-
Moroni	0.09	-	_	-	-	_
Myton	0.57	1.22	47	-	-	-
Neola	1.20	0.61	197	-	-	-
Nephi	0.28	0.75	37	-	-	_
Ogden NE Bench	1.89	-	-	-	-	-
Panguitch	0.23	1.23	19	-	-	-
Pineview Dam	3.61	0.94	384	-	-	-
Randolph	0.82	0.84	-	-	-	-
Richmond	1.79	0.89	-	-	-	-
Salt Lake Int'l Airport	1.22	0.61	200	-	-	-
Salt Lake Triad Center	1.52	0.59	258	-	-	-
Santaquin	0.34	0.64	53	-	-	-
Silver Lake Brighton	1.65	1.51	109	-	-	-
Snyderville	1.56	-	-	-	-	-
South Ogden	1.55	-	-	-	-	-
South Salt Lake	1.30	-	-	-	-	-
Spanish Fork	0.60	0.71	85	-	-	-
Stansbury Park	0.48	-	-	-	-	-
Summit	1.09	1.51	72	-	-	-
Trenton	1.44	0.71	203	-	-	-
Upper Millcreek	0.47	-	-	-	-	-
Utah Lake Lehi	0.53	0.51	104	-	-	-
Wanship Dam	1.39	0.97	143	-	-	-
Weber Basin Pump 3	1.52	0.87	175	-	-	-
Wellington 3 E	0.53	0.76	70	-	-	-
Woodruff	1.41	0.71	199	-	-	-

**July 3rd** - Very strong thunderstorms produced torrential downpours along with hail over portions of southwest Utah. The heaviest rain fell across the St. George area. Flash flooding occurred over several streets in St. George, with water and mud blocking intersections and making travel hazardous for a time. Dime-sized hail also occurred with some storms.











Above: Heavy downpours producing widespread urban flooding across portions of St. George.

#### **Precipitation Totals (inches)**



St. George	0.71	Bloomington	0.44	Kanab	0.23
Buck Flat	0.04	St. George Airport	0.02	Bryce Canyon	0.01

July 4th - Mother Nature brought her own brand of fireworks, as scattered thunderstorms developed during the afternoon and evening over roughly the southern two-thirds of the Beehive State. Heavy rain fell just east and west of the Oquirrh Mountains, with severe winds across portions of the west deserts.



Above: Lightning strikes along with heavy rain and hail from a thunderstorm along the Oquirrh Mountains.

#### **Precipitation Totals (inches)**



Signal Peak	0.60	Tooele-Oquirrh Hills	0.57	West Fork Blacksfork	0.53
Hewinta	0.44	Fillmore Port #1	0.40	Sevier Reservoir	0.37
Chepeta	0.32	Green River	0.21	St. George	0.20
Bryce Canyon	0.18	Hanna	0.11	Vernon	0.10
Aragonite	0.09	Yellowstone Drainage	0.09	Fishlake	0.09
Baer #10 Red Bull	0.09	Monroe	0.08	Tom Best Spring	0.08
Levan	0.04	Cedar City	0.04	Fountain Green 4 ENE	0.03

# Peak Wind Gusts (MPH)



I-80 @ MP 78	71	Badger Island	69	Hat Island	65
Upper Cedar Mountain	61	Great Salt Lake Marina	58	NW Decon Pad	53
Ditto	52	English Village	51	I-80 @ Milepost 1	49
Baker Lab	48	GSL Minerals	47	SR-65 @ Big Mtn Pass	47
Brian Head 2 S	47	Tower Grid	46	Parleys Canyon/Quarry	46
Lake Point I-80	45	Tooele 2	45	Vernon Hill	45
Promontory Point	45	West Ogden	44	Clearspot	44
UTTR Treatment Unit	44	Wig Mountain	44	Eagle Range	43
Sevier Reservoir	43	Baccus Highway	42	Tooele City	42
Gunnison Island	42	Brigham City	41	West Granite	41
Fish Springs	41	Milford Airport	41	Erda Airport	40
Grantsville	40	Wendover Field	40	Delta Airport	40
Brimstone Reservoir	40	Dog Valley	40	I-70 @ Salina	40

July 5th - Scattered thunderstorms developed statewide as moisture moved into the state ahead of a Pacific weather disturbance. Some storms dumped heavy rain, small hail, and even produced a funnel cloud. Hikers in Zion National Park were stranded for a while as flash flood waters moved through the Narrows on the north fork of the Virgin River.



Above: A funnel cloud extends from a thunderstorm in Monticello.

# Precipitation Totals (inches)



Lava Point	0.74	Hans Flat RS	0.69	Cedar City	0.56
Five Mile	0.54	Thatcher	0.50	LBW Paradise	0.48
Otter Creek	0.47	Rosebud	0.45	Logan	0.37
Lost Creek	0.33	Chepeta	0.32	Hewinta	0.30
Laketown UDOT	0.30	Richmond UDOT	0.28	Red Spur	0.26
Hardware Ranch	0.22	Randolph UDOT	0.21	Logan Airport	0.20
North Logan	0.20	Centerville	0.20	Morgan	0.20
West Fork Blacksfork	0.19	Green River	0.19	Bothwell	0.18
Greeneville Bench	0.17	Bear River	0.17	Wellsville	0.17
Fruit Heights	0.16	Kaysville	0.15	Brigham City	0.15
LBW Southfork	0.15	Farmington	0.14	Mantua	0.14
Aspen Mountain	0.14	Garland 1 SE	0.13	Weber River/Oakley	0.13
Lewiston	0.12	Henry Mountain	0.12	Great Salt Lake Marina	0.12
Riverside UDOT	0.11	Vernon	0.11	Garden City	0.11
Norway	0.11	Parowan 10 NW	0.11	Bountiful Bench	0.10
Weber River/Morgan	0.10	Oakley	0.10	Bruin Point	0.10
Huntsville	0.09	Summit Park	0.09	Weber River/Echo Dam	0.09
Orem	0.08	Sundance	0.08	Monroe	0.07
Layton	0.07	Heber City 6 E	0.07	Snowville	0.06
Provo	0.05	North Ogden	0.05	North Holladay	0.05

**July 6th -** Scattered thunderstorms brought a few heavy downpours across Utah. The rain produced a large flash flood in Zion National Park, with minor street flooding reported. in





Above (Left): Dime-sized hail in the Salt Lake Valley. (Right): Street flooding in West Valley City. Below (Left): Very impressive rail/hail shaft over West Valley City. (Right): Flash flooding in Zion N.P..





#### **Precipitation Totals (inches)**



Agua Canyon	1.74	Riverton	1.00	Cedar City	0.74
Herriman	0.81	West Valley City	0.73	Manti	0.64
Muddy Creek/Emery	0.58	Yellowstone Drainage	0.56	Bryce Canyon Airport	0.56
Kearns	0.56	Bruin Point	0.55	Fishlake	0.46
Taylorsville	0.46	Riverton	0.45	Draper	0.32
Brimstone Reservoir	0.32	Sevier Reservoir	0.24	Tom Best Springs	0.24
Blue Creek	0.22	Lava Point	0.22	Snowville	0.18
Telegraph Flat	0.18	Richmond-UDOT	0.17	Murray	0.16
Loa	0.15	Signal Peak	0.15	Alta-Collins	0.15
Weber River/Oakley	0.15	Oak City 10 ESE	0.14	Lost Creek	0.14
South Jordan	0.13	Lehi	0.12	West Jordan	0.11
Riverside-UDOT	0.10	<b>Emigration Canyon</b>	0.10	Zion National Park	0.10
Red Spur	0.08	Monroe	0.08	Oak City	0.08
Logan Airport	0.07	Tremonton	0.07	Randolph	0.07
Nephi	0.05	West Jordan	0.04	Delta	0.04
Trans-Jordan Landfill	0.04	Price Airport	0.03	San Rafael/Green River	0.03
Cedar City Airport	0.03	Fillmore Port #1	0.03	Saratoga Springs	0.03
Oakley	0.02	Parowan 10 NW	0.02	Milford Airport	0.01

July 7th-8th - Thunderstorms brought another round of heavy rain and hail over a two day period. Hardest hit by the rain and hail was the Northern Wasatch mountains and valleys and the Northern Wasatch Front. Severe thunderstorm winds occurred over portions of the Great Salt Lake deserts and the Tooele Valley. Heavy downpours on the 8th caused flooding in Centerville, with 3-4 feet of water on I-15 at Parrish Lane.



Above (Left): Hail piled up inches deep in Liberty. (Right): Supercell thunderstorm approaching Herriman. Below: Impressive thunderstorm with heavy rain and hail near House Rock Valley.



#### **Precipitation Totals (inches)**

Salt Flats

I-80 @ MP 29



58

53

Pine View Dam	2.86	Eden	1.83	Weber River/Morgan	1.67
Centerville	1.50	Summit Park	1.25	Mantua	1.23
Hill A.F.B.	1.17	Ogden	1.17	Farmington	1.16
Alta-Collins	1.16	South Ogden	1.10	Fruit Heights	1.07
Beus Canyon	1.06	Huntsville	1.06	Brigham City	1.05
South Salt Lake	0.99	Pleasant Grove	0.99	Ogden Airport	0.98
Clearfield-UDOT	0.97	Hewinta	0.95	Salt Lake Int'l Airport	0.93
Altamont	0.90	Wellsville	0.86	Provo	0.84
Clinton	0.84	American Fork	0.78	Morgan	0.77
Spring City	0.72	Vernon	0.70	West Point	0.69
Peak Wind Gusts (MPF	H) 🏂 😽				
Wendover Airport	77	Vernon Hill	72	Dugway APG	66

Camel Back Mountain

Causeway

56

51

West Salt Flats

Horizontal Grid

54

50

July 9th - Scattered thunderstorms developed once again during the afternoon and lasting well into the evening hours. Some storms produced brief heavy rain and hail.

#### Precipitation Totals (inches)



Hanna	1.32	Henry Mountain	1.22	Moon Lake	1.07
Ferron	1.00	Oak City 10 ESE	0.91	North Ogden	0.84
Tabiona	0.79	Horse Ridge	0.76	Altamont	0.70
Sandy	0.60	Aragonite	0.58	Rays Valley	0.56
Helper Carbon Plant	0.55	Green River	0.51	Bullfrog Basin	0.47
Norway	0.47	Fountain Green 4 ENE	0.44	Upper Millcreek	0.39
Capitol Reef N.P.	0.35	Goblin Valley S.P.	0.35	Bullfrog Marina	0.33
Fruit Heights	0.25	Pineview Dam	0.24	Price Airport	0.23
Magna	0.22	Farmington	0.21	Bountiful	0.19
Ogden Airport	0.18	Riverton	0.18	Harrisville-UDOT	0.15
West Jordan	0.15	Kaysville	0.14	Draper	0.14
Centerville	0.13	Bothwell	0.13	Beus Canyon	0.12
Heber City	0.11	Layton	0.10	Clearfield-UDOT	0.10
Logan	0.08	Lehi	0.08	American Fork	0.05

July 18th - Flash flooding occurred in St. George, Zion National Park, and Hildale as thunderstorms with very heavy rain developed over southwest Utah. Multiple homes and roads were damaged in Hildale with the flooding. Nickel size hail was reported in Parowan, with hail up to the size of quarters 5 miles west of Hewinta.



Above: Flash flooding in a normally dry wash along a residential road in St. George.

Below: Flooded roads and yards in a residential neighborhood in St. George.





#### **Precipitation Totals (inches)** St. George Airport 1.26 Agua Canyon 1.23 Zion National Park 0.78 Ft. Pierce Wash 0.76 Zion Canyon 0.74 Lava Point RAWS 0.68 **Fishlake** 0.63 Washington 0.62 Assay 0.58 Coal Creek/Cedar City 0.57 Bryce Canyon Airport 0.41 Jensen Spring 0.35 Fountain Green 4 ENE 0.27 Panguitch 0.25 Capitol reef NP 0.24 Snowville 0.22 Lewiston 0.21 Cedar City 0.20 Riverside UDOT Henry Mountain Parowan 10 NW 0.19 0.18 0.18 Richmond UDOT 0.17 Loa 0.16 Logan Airport 0.15 Park Valley 0.15 Wellington 3 E 0.12 Tremonton 0.11 Rosebud Snowville (West) 0.10 Wellsville 0.09 0.11 Milford 0.09 Delta 0.08 **Bothwell** 0.08 Peak Wind Gusts (MPH) Joes Valley 72 Flattop Mountain 69 **Gunnison Island** 55 St. George Airport 54 Sundance-Arrowhead 54 SR-72 @ Hogan Pass 53 Fremont Junction 50 Signal Peak 49 Hat Island 48

**July 20th -** Scattered showers and thunderstorms developed during the afternoon hours across much of the Beehive State, with the heaviest rain falling across southwest Utah and the southern Utah mountains.

46

Ogden Airport

43

Cedar City

Provo Airport

46



Above: Low clouds hug the cliffs at Zion National Park in the wake of an afternoon thunderstorm.

#### **Precipitation Totals (inches)**

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6	

Henry Mountain	0.47	St. George	0.44	Zion Canyon	0.42
Lava Point RAWS	0.40	Willow Gulch	0.40	Gardner Peak	0.40
Enterprise	0.38	Veyo Powerhouse	0.37	Kanab	0.34
Fort Pierce Wash	0.33	St. George	0.28	Zion National Park	0.27
White Reef	0.26	Bryce Canyon	0.26	St. George Airport	0.25
Cedar City Airport	0.22	Milford	0.20	Brigham City	0.18
Badger Spring	0.18	South Ogden	0.17	Beus Canyon	0.17
Tooele	0.17	Eden	0.17	Washington	0.17
Layton	0.15	Huntsville	0.15	Weber River/Morgan	0.15
Assay	0.15	Roy	0.14	Hill A.F.B.	0.13
Red Spur	0.13	Farmington	0.13	Bryce Canyon Airport	0.13
Fruit Heights	0.12	South Weber	0.12	Kaysville	0.12
Milford	0.12	Clearfield UDOT	0.11	Stansbury Park	0.11
New Harmony	0.11	Bountiful Bench	0.10	Morgan	0.10
Clinton	0.09	Randolph	0.09	Hurricane	0.09
Panguitch	0.08	Syracuse	0.08	Wellsville	0.07
Laketown UDOT	0.06	Logan Airport	0.06	Salt Lake Int'l Airport	0.06
Peak Wind Gusts (M	PH) 🍂				
Gunnison Island	44	Bullfrog Marina	43	Lakeside Mountain	41
Eagle Range	41	I-84 @ Whites Valley	39	Hat Island	37
Flight Park South	37	Bountiful Bench	37	UTTR Oasis Compound	36

July 22nd - Northern and central Utah saw a few showers and thunderstorms develop during the afternoon and evening hours. Some of the storms produced some brief heavy rain, mainly across southern Davis county.

35

35

Diddle Knoll

35

**Pioneer Crossing** 

I-80 @ Grassey

# Precipitation Totals (inches)

Mouth Parleys

**UTTR Thermal Plant** 



35

35

Bountiful	0.77	Hewinta	0.49	Horse Ridge	0.49
West Fork Blacksmith	0.47	Bountiful Bench	0.40	Bruin Point	0.30
Lost Creek/Croyden	0.28	Saratoga Springs	0.27	Magna	0.26
Chepeta	0.24	Altonah	0.23	Horizontal Grid	0.22
Eagle Lake	0.20	Draper	0.20	Salt Lake City	0.19
South Weber	0.17	West Valley City	0.17	Weber River/Echo Dam	0.17
Garden City	0.17	Ogden Airport	0.16	Coalville	0.16
Morgan	0.16	Orem	0.15	Saratoga Springs	0.15
Spanish Fork	0.15	Salt Lake Int'l Airport	0.15	Wendover Airport	0.14
Farmington	0.13	Layton	0.13	Riverton	0.13
Clinton	0.12	West Haven	0.11	Lehi	0.11
Otter Creek	0.10	Roy	0.10	Sandy	0.09
Weber River/Morgan	0.09	Myton	0.09	Huntsville	0.08
Hanna	0.08	Riverton	0.07	Ogden	0.06
Randolph	0.06	Clearfield UDOT	0.05	Brigham City	0.05
Payson	0.05	Ferron	0.04	Cottonwood Heights	0.03



#### **High Temperature Records For the Month of July**



**Jul 1st** - Record high maximum temperatures were tied at Alta 80 (80/2013), Duchesne 95 (95/2002), and Escalante 103 (103/2002). Record high minimums were set at Alpine 66 (64/2013) and Laketown 62 (62/1978).

**Jul 3rd** - Capitol Reef Nat'l Park tied their record high minimum temperature of 75 (75/2002).

**Jul 4th** - Record high minimum temperatures were set at Bullfrog 80 (78/2013) and Cedar City Airport 70 (65/1996).

Jul 8th - Record high minimums were set at Duchesne 72 (71/1937) & Laketown 70 (65/1996).



### **Low Temperature Records For the Month of July**



**Jul 9th** - Capitol Reef Nat'l Park set a record low minimum temperature of 54 (55/1982).

**Jul 13th** - Bullfrog set a record low minimum temperature of 63 (64/1975).

**Jul 19th** - Record low maximum temperatures were set at Capitol Reef Nat'l Park 81 (81/1976), Kanab 78 (80/1912) and Utah Test Range 83 (89/2012).

**Jul 20th** - Record low maximums were set at Alpine 76 (85/2004), Brigham City 78 (79/1924), Cedar City Airport 69 (73/1987), Fillmore 78 (79/1985) and Utah Test Range 84 (89/2004).

**Jul 25th** - Cedar City Airport set a record low minimum temperature of 48 (51/2001).

**Jul 26th** - Cedar City Airport set a record low minimum temperature of 50 (51/1973).

**Jul 28th** - Record low minimum temperatures were set at Alpine 48 (49/1981), Alta 35 (41/2002), Brigham City 41 (44/1948), Cedar City Airport 47 (48/2004), Pine View Dam 43 (43/1963) and Randolph 32 (33/1993). Record low maximums were set at Alpine 77 (79/2013), Alta 60 (65/1982), and Brigham City 74 (77/1917)

**Jul 29th** - Randolph set a record low minimum temperature of 31 (37/1894).

**Jul 30th** - Record low minimum temperatures were set at Alta 44 (46/1995), Brigham City 47 (49/1950) and Utah Test Range 48 (54/1998).



# **Record 24-Hour Precipitation For the Month of July**



Jul 8th - Record 24-hour daily rainfall was set at Salt Lake Int'l Airport 0.93 (0.35/1876).

#### THE SALT LAKE CITY UT CLIMATE SUMMARY FOR THE MONTH OF JULY 2015

CLIMATE NORMAL PERIOD 1981 TO 2010 CLIMATE RECORD PERIOD 1874 TO 2015



WEATHER	OBSERVE VALUE	DATE(S)	NORMAL VALUE	DEPART FROM NORMAL		AR`S DATE(S)
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TEMPERATURE	(F)					
RECORD	107	07/12/2001	07/26/10	60		
HIGH		07/13/2002		60		
LOW	40	07/01/1968	3			
HIGHEST	99	07/04, 07/	03		103	07/23, 07/14
LOWEST	53	07/29			58	07/01
		•				·
AVG. MAXIMUM	89.3		92.6	-3.3	94.3	
AVG. MINIMUM	65.5		64.7	0.8	68.3	
MEAN	77.4		78.7	-1.3	81.3	
DAYS MAX >= 9			22.0	-8.0	26	
DAYS MAX <= 3			0.0	0.0	0	
DAYS MIN <= 3			0.0	0.0	0	
DAYS MIN <= 0	0		0.0	0.0	0	
PRECIPITATION	(INCHES	)				
TOTALS	1.22	,	0.61	0.61	0.50	
DAYS >= .01	6		4.4	1.6	6	
DAYS >= .10	2		1.7	0.3	3	
DAYS >= .50	1		0.3	0.7	0	
DAYS >= 1.00	0		0.0	0.0	0	
SNOWFALL (IN	CHEC)					
TOTALS	0.0		0.0	0.0	0.0	
SINCE 7/1	0.0		0.0	0.0	0.0	
J1.10L // I	0.0		5.0		0.0	

WEATHER	OBSERVED VALUE	NORMAL VALUE	DEPART FROM	LAST YEAR`S VALUE
			NORMAL	
DEGREE DAYS				
HEATING TOTAL	0	2	-2	0
SINCE 7/1	0	2	-2	0
COOLING TOTAL	393	425	-32	515
SINCE 1/1	804	662	142	757

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# WIND (MPH)

AVERAGE WIND SPEED	8.3		
HIGHEST WIND SPEED/DIRECTION	32/200	DATE	07/2
HIGHEST GUST SPEED/DIRECTION	43/140	DATE	07/08

#### WEATHER CONDITIONS. NUMBER OF DAYS WITH

THUNDERSTORM	9	RAIN	6
HAIL	0	SNOW	0
FOG	2	FOG W/VIS <= 1/4 MILE	0
HAZE	3		

- INDICATES NEGATIVE NUMBERS.
- R INDICATES RECORD WAS SET OR TIED.

MM INDICATES DATA IS MISSING.

T INDICATES TRACE AMOUNT.



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